

Date: Wednesday, 3/8/2006 10:38:29 AM
 User: Kim Johnston

Process Sheet

Customer :	CU-DAR001 Dart Helicopters Services	Drawing Name :	INLET VALVE SHAFT
Job Number :	26122		
Estimate Number :	12250		
P.O. Number :	N/A	Part Number :	D34743
This Issue :	3/8/2006	S.O. No. :	N/A
Prsht Rev. :	NC	Drawing Number :	D3474 REV.A
First Issue :	N/A	Project Number :	N/A
Previous Run :	N/A	Drawing Revision :	A
	Type :	Material :	N/A
	MACHINED PARTS	Due Date :	3/31/2006
Written By :	<i>See comment below</i>		Qty: 10
Checked & Approved By :	<i>06.03.08</i>		Um: Each
Comment :	est rev. A 06.02.07 New issue EC		

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	OUTSIDE SERVICE	OUTSIDE SERVICES
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**Comment:** Sub-Contracting OUTSIDE SERVICES

Issue P/O: 00000768

Email or Ship DXF file to vendor

Laser Cut per Dwg D3474 flat pattern D3474-3F

Material release note required

2.0	D34743F	Arm
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Comment: Qty.: 1.0000 Each(s)/Unit Total : 6.0000 Each(s)
 ARM

3.0	PACKAGING 1	PACKAGING RESOURCE #1
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**Comment:** PACKAGING RESOURCE #1

Receive & Inspect For Transit Damage

Ensure material certification is attached

4.0	QC6	DIMENSIONAL CHECK
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**Comment:** DIMENSIONAL CHECK

5.0	SMALL FAB 1	SMALL & MEDIUM FAB RESOURCE 1
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**Comment:** SMALL & MEDIUM FAB RESOURCE 1

Deburr if necessary.

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes ☒ No ☐ DQA: 12 Date: 06/03/30
 QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Wednesday, 3/8/2006 10:38:30 AM
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Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: INLET VALVE SHAFT

Job Number: 26122

Part Number: D34743

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

0603-29 (10)

7.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: ST439

0603/29 (10)

8.0

DC

DOCUMENT CONTROL



Comment: DOCUMENT CONTROL

Inspection Level 21

0603/30 (10)

Job Completion



U 060329

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector


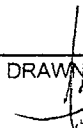
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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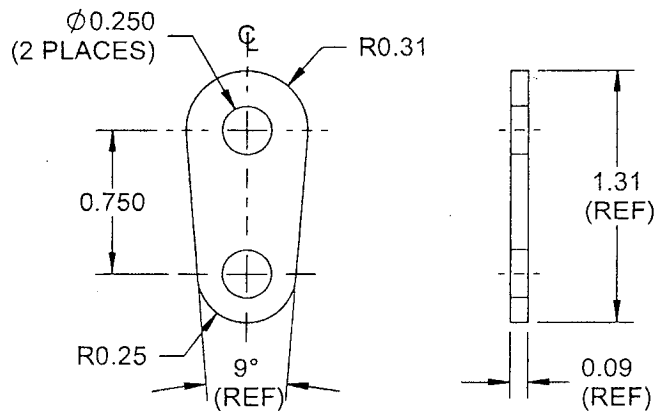
NOTE: Date & initial all entries

PRELIMINARY ISSUE

DESIGN 	DRAWN BY 	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED	APPROVED	DRAWING NO. D3474	REV. A SHEET 3 OF 4
DATE 03.01.23		TITLE INLET VALVE SHAFT	SCALE 1:1

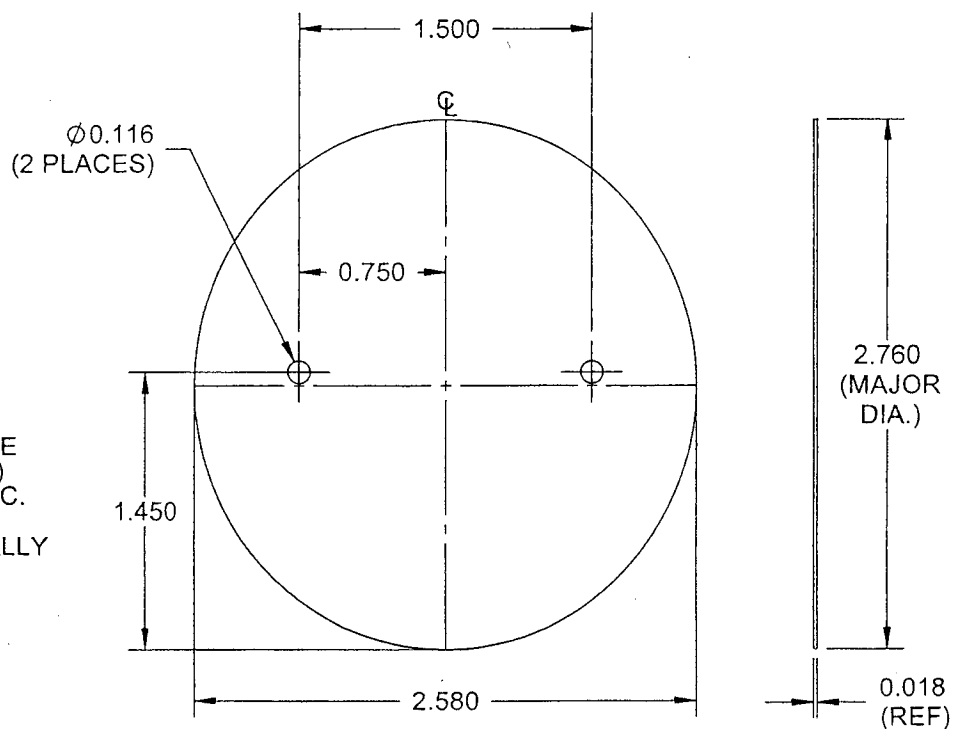
D3474-3 ARM FLAT PATTERN

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH 13 GAUGE SS (0.090 THICK) (REF. DART SPEC. M304S26GA)
- 2) FINISH: NONE.



D3474-5 PLATE VALVE FLAT PATTERN

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH 26 GAUGE SS (0.018 THICK) (REF. DART SPEC. M304S26GA)
- 2) FINISH: ELECTRO CHEMICALLY POLISHED.



NOTES:

- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

FAX 1 847 585 2500

CORUS ALUMINIUM

Corus Aluminium Walzprodukte G. m. b. H.
 Weg 100331 · D-58033 Koblenz



INSPECTION CERTIFICATE (EN 10204/3.1) / TEST REPORT / APPROVED CERTIFICATE

NO.: 0879231 SERIAL-NO.: PAGE: 2 / 03
 PURCHASER: CORUS ALUMINIUM ROLLED ORDER NO. PURCH.: US-AIRCR. DEPOT-PRO
 PRODUCTS USA-A DIVIS ORDER NO. MAN.: 83415
 SCHAUMBURG, IL 60173 SPEC.: AMS4041+B209+GQ2S0/5
 CUSTOMER PART NO.:
 ITEM: 01 LOT: 102973 ALLOY/TEMPER: 2024 T3 ALCLAD 1230 PRODUCT: PLA
 QUANTITY: 344 DIMENSIONS: 0.040 x 48.00 x 144.00 INS

Other tests:

Dimensional check: OK
 Surface control: OK

Normative references:

BESTELLNORM/SPECIFICATION/NORME
 AMS 4041P+ASTM B 209-04+AMS-QQ-A-250/5A SEP1998

Bend test:

L-direction

LT-direction OK

ST-direction

1 847 585 2500

CORUS ALUMINIUM

Corus Aluminium Walzprodukte G.
Postfach 100931 D-56033 Koblenz



corus

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PRODUCTS USA-A DIVIS ORDER NO. MAN.: 83415
SCHAUMBURG, IL 60173 SPEC.: AMS4041+B209+Q0250/5
CUSTOMER PART NO.:

PAGE: 3 / 03

Remarks:

CERTIFIED THAT THE WHOLE OF THE SUPPLIES DETAILED HEREON HAVE BEEN
INSPECTED, TESTED AND, UNLESS OTHERWISE STATED ABOVE, CONFORM IN ALL
RESPECTS WITH THE REQUIREMENTS OF THE SPECIFICATION, CONTRACT OR ORDER.

Enclosures:

Koblenz, the 25.08.05 SW

G. Mettler
Quality Assurance

Corus Aluminium
Walzprodukte GmbH
Koblenz

MAR-23-2006 04:24 FROM:

TO: 6049464153

P.2/3

Corus Aluminium-Walzprodukte G.m.b.H.
Postfach 100331 D-56033 Koblenz



INSPECTION CERTIFICATE (EN 10204/3.1) / TEST REPORT / APPROVED CERTIFICATE

NO.: 0879231 SERIAL-NO.: PAGE: 1 / 03
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PRODUCTS USA-A DIVIS ORDER NO. MAN.: 83415
SCHAUMBURG, IL 60173 SPEC.: AMS4041+B209+QQ250/5
ITEM: 01 LOT: 102973 CUSTOMER PART NO.:
QUANTITY: 344 ALLOY/TEMPER: 2024 T3 ALCLAD 1230 PRODUCT: PLA
DIMENSIONS: 0.040 X 48.00 X 144.00 INS

RESULTS:

Mechanical properties:

Spec. No.	Y.S.	U.T.S.	El.
	KSI	KSI	%
Min. LT:	39,0	59,0	15,0
Max. LT:			
001	40,6	59,6	17,9
002	40,6	59,8	18,7
003	40,8	59,8	17,7
004	40,8	59,6	18,1

Chemical composition: in % , remainder Al

ALLOY:	ALLOY CORE	ALLOY LINER	ALLOY LINER
CAST-NO.	2024	1230 4	1230 4
	5-05-2914	142166-1	142166-1
Si	0,028	0,12	0,12
Fe	0,123	0,26	0,26
Cu	4,326	0,002	0,002
Mn	0,634	0,010	0,010
Mg	1,436	0,003	0,003
Cr	0,001	0,001	0,001
Zn	0,011	0,005	0,005
Ti	0,0278	0,019	0,019
B	0,0006	0,002	0,002
Zr	0,0006		
Pb	0,0016	0,0011	0,0011
Ni	0,0059		